

Career and Technical Education (CTE) Architecture and Construction Cluster

Career Possibilities	<p>Architect Carpenter Construction Manager Electrician Roofer Building Code Inspector Restoration Technician Construction and Building Inspector</p>	<p>Surveyor Mechanical Engineer Cabinet Maker Civil Engineer General Contractor Cost Estimator Project Manager Landscape Architect</p>	
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Year 1 Pathway Course	Complementary Pathway Courses * = course has a pre-requisite		
<p>Computer Assisted Technical Drawing (28439) (DE 98439W) This course introduces basic drafting techniques and teaches freehand sketching, mechanical drafting and computer-assisted drawing (CAD)</p>	<p>Advanced Drawing and Design*(28440) Computer Assisted Architectural Drawing (DE)*(28408 (98408W)) Computer Assisted Engineering Drawing*(28438) Digital Animation (28457) Engineering I: Intro to Engineering Design (28491) Materials & Processes Technology (28433) Robotic Design (28421)</p>		
<p>Carpentry I (28519) With an emphasis on safety, this course teaches proper hand and power tool use, interpreting blueprint, and construction principles.</p>	Carpentry II*(28520)		
<p>Construction Technology (28512) This course introduces design structures and infrastructure projects and principles through modeling and computer simulation.</p>	<p>Energy and Power (26448) Computer Assisted Architectural Drawing (DE)*(28408 (98408W)) Materials & Processes Technology (28433)</p>		
<p>Electricity I (28534) The course introduces residential wiring techniques, circuits, reading schematics and the basics of following the National Electrical Code.</p>	Electricity II* (28535)		
Architecture and Construction	<p><i>This Career Cluster® is focused on careers in designing, planning, managing, building and maintaining the built environment. (Advance CTE)</i></p>		